

POWER OF ATTORNEY

Applicants: David L. Chapek

Application No.: _____ Filed: _____
Entitled: METHOD FOR CONTROLLING THE MORPHOLOGY OF DEPOSITED
SILICON ON A SILICON DIOXIDE SUBSTRATE AND SEMICONDUCTOR DEVICES
INCORPORATING SUCH DEPOSITED SILICON

CERTIFICATE UNDER 37 CFR 3.73(b)

Micron Technology, Inc., a corporation of the State of Delaware, with a place of business at 8000 S. Federal Way, Boise, ID 83706-9632 certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application identified above, a copy of which is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application identified above, to the current assignee as shown below:

1. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel ____ Frame ____, or for which a copy thereof is attached.

2. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel ____ Frame ____, or for which a copy thereof is attached.

3. From: _____ To: _____

The document was recorded in the Patent and Trademark Office at
Reel ____ Frame ____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

Micron Technology, Inc. hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

Richard A. Killworth	Reg. No. 26,397
James F. Gottman	Reg. No. 27,262
Timothy W. Hagan	Reg. No. 29,001
Richard C. Stevens	Reg. No. 28,046
Robert L. Showalter	Reg. No. 33,579
Susan M. Luna	Reg. No. 38,769
James E. Beyer	Reg. No. 39,564
Bradley A. Keller	Reg. No. 37,654
Stephen A. Calogero	Reg. No. 41,491
Charlotte L. Barney	Reg. No. 35,060
Michael L. Lynch	Reg. No. 30,871
Lia M. Pappas	Reg. No. 34,095

Address all telephone calls to (937) 223-2050. Address all correspondence to: KILLWORTH, GOTTMAN, HAGAN & SCHAEFF, L.L.P., One Dayton Centre, One South Main Street, Suite 500, Dayton, Ohio 45402-2023.

Micron Technology, Inc. hereby declares that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: May 1, 1988

Name: Michael L. Lynch

Title: Chief Patent Counsel

Signature: [Signature]

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the invention entitled: **METHOD FOR CONTROLLING THE MORPHOLOGY OF DEPOSITED SILICON ON A SILICON DIOXIDE SUBSTRATE AND SEMICONDUCTOR DEVICES INCORPORATING SUCH DEPOSITED SILICON**(Docket MIO 037 PA), described and claimed

 X in the attached specification;
 in the specification filed _____, as
U.S. Application Serial No. _____, and as
amended _____.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as filed and as amended by any amendment referred to above.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56(a).

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full name of sole or first Inventor: David L. Chapek

Inventor's signature David L. Chapek

Date: 4/30/98

Residence: ^{35 Dec 4/27/98}
33 Sullivan Street
Nashua, NH 03060

Citizenship: USA

Post Office Address: c/o Micron Technology, Inc.
8000 S. Federal Way
Boise, ID 83706-9632

JUL 15 1998



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 10, 1998

PTAS

KILLWORTH, GOTTMAN, HAGAN & SCHAEF LLP
ATTN: TIMOTHY W. HAGAN
ONE DAYTON CENTRE, SUITE 500
ONE SOUTH MAIN STREET
DAYTON, OH 45402-2023



100711043A

Handwritten signature/initials

10836 U.S. PTO
09/605293
06/28/00

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/04/1998

REEL/FRAME: 9159/0921
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
CHAPEK, DAVID L.

DOC DATE: 04/30/1998

ASSIGNEE:
MICRON TECHNOLOGY, INC.
8000 SOUTH FEDERAL WAY
BOISE, IDAHO 83706-9632

SERIAL NUMBER: 09072262
PATENT NUMBER:

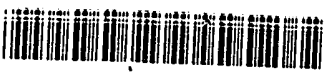
FILING DATE: 05/04/1998
ISSUE DATE:

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM PTC-1595
(Rev. 6-93) 09/072262
OMB No. 0651-0011 (exp. 4/94)
MEO 5-4-98
Tab settings

RI

05-15-1998



100711043

EET

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

09/072262
Jc135

09/072262
Jc836 U.S. PTO

05/04/98
06/28/00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David L. Chapek

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Micron Technology, Inc.

Internal Address: _____

Street Address: 8000 South Federal Way

City: Boise State: Idaho ZIP: 83706-9632

Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment ☐ Merger

☐ Security Agreement ☐ Change of name

☐ Other _____

Execution Date: April 30, 1998

4. Application number(s) or patent number(s): MIO 037 PA

If this document is being filed together with a new application, the execution date of the application is: April 30, 1998

A. Patent Application No.(s) _____ B. Patent No.(s) _____

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party of whom correspondence concerning document should be mailed:

Name: Killworth, Gottman, Hagan & Schaeff LLP

Internal Address: One Dayton Centre

Suite 500

Street Address: One South Main Street

City: Dayton State: Ohio ZIP: 45402-2023

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number: _____

(Attach duplicate copy of this page if paying by deposit account)

05/13/1998 55MITH 00000135 09072262
01 FC:581 40.00 OP
DO NOT USE THIS SPACE
Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Timothy W. Hagan
Name of Person Signing

Signature

May 4, 1998
Date

Total number of pages including cover sheet, attachments, and document: 3

Serial No.

Filed:

ASSIGNMENT

WHEREAS, David L. Chapek, of Nashua, Hillborough County, New Hampshire, invented certain new and useful **METHOD FOR CONTROLLING THE MORPHOLOGY OF DEPOSITED SILICON ON A SILICON DIOXIDE SUBSTRATE AND SEMICONDUCTOR DEVICES INCORPORATING SUCH DEPOSITED SILICON** (Docket MIO 037 PA), for which I executed an application for letters patent of the United States;

AND WHEREAS, Micron Technology, Inc., a corporation of the State of Delaware, with a place of business at 8000 South Federal Way, Boise, Idaho 83706-9632, hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said application and the inventions therein disclosed and any letters patent that may issue thereon;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable consideration, receipt whereof is hereby acknowledged, I hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire right, title and interest in and to said application and any divisions or continuations thereof, and the inventions therein disclosed, and any improvements thereon, and any patent or patents that may be issued or reissued thereon, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue any letters patent thereon, and reissues thereof, to said Assignee, its successors and assigns; and I hereby authorize said Assignee, its successors and assigns, to file in its own name applications for patent in foreign countries in connection with the inventions hereby transferred, under the International Convention claiming the priority of said United States application or otherwise, and to secure in its own name the patent or patents issued thereon; and I hereby agree that, upon request, I will sign all papers, and make all rightful oaths, and do all acts which said Assignee, its successors or assigns, may consider necessary in connection with said United States application, and in connection with any other United States or foreign applications that may be filed in connection with said inventions, and with any improvements thereon, and in connection with any patents issued or reissued thereon.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal
this 30th day of April, 1998.

David L. Chapek

David L. Chapek

State of New Hampshire)
County of Hillsborough) ss

On this 30 day of April, 1998, before
me a Notary Public in and for the above County and State,
personally appeared the above named David L. Chapek, personally
known to me, and acknowledged the execution of the foregoing
assignment as a free act and deed for the purpose herein set forth.

Denise M. Goyette

Notary Public